BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : Modified Estimate for the work of IMPROVEMENTS AND ASPHALTING TO ROADS AT MARUTHI NAGARA 3rd MAIN ROAD IN WARD NO.01 OF YELAHANKA SUB-DIVISION

								Estimate Cost Rs.	19.49	Lakhs
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)									
	Road Cut Portions	Cum								
	3rd Main Road Maruthi Nagara		1	105.00	5.60	0.30	176.40			
			1	100.00	5.60	0.30	168.00			
							344.40	162.00	**55793.00**	
	Tender Approved Rates	162.00								
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)									
		Cum								
			Qty Vide Item No.2				**344.40**	97.00	**33407.00**	
	Tender Approved Rates	97.00								
3	**Cleaning the existing black topped surface** with brooms, soft brushes and finally dusting with old gunny bags and /or compressed air to recieve bituminous treatment including cost of all materials, labour, HOM of machineries complete as per Specifications. (P.No.157 & I.No.21.2)									
		Sqm								
			1	240.00	5.50		1320.00			
							1320.00	3.00	**3960.00**	
	Tender Approved Rates	3.00								
4	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material (P.No.155 It.No.20.4.2)									
	Road Cut Portions	Cum								
	3rd Main Road Maruthi Nagara		1	105.00	5.60	0.15	88.20			
			1	100.00	5.60	0.15	84.00			
							172.20	1628.00	**280342.00**	
	Tender Approved Rates	1628.00								

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
5	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18)								
	Road Cut Portions	Cum							
	3rd Main Road Maruthi Nagara		1	105.00	5.60	0.20	117.60		
			1	100.00	5.60	0.20	112.00		
							229.60	1729.00	**396978.00**
	Tender Approved Rates	1729.00							
6	Providing and applying primer coat with ss bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. MORTH Specification No.502 (P.No.160/It No.21.6)								
	Road Cut Portions	Cum							
	3rd Main Road Maruthi Nagara		1	105.00	5.60		588.00		
			1	100.00	5.60		560.00		
							1148.00	26.00	**29848.00**
	Tender Approved Rates	26.00							
7	KSRRB M500- 15. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No.507 (P.No.162&163 It.No.21.17.6)								
		Cum							
	3rd Main Road Maruthi Nagara		1	105.00	5.60	0.050	29.40		
			1	100.00	5.60	0.050	28.00		
							57.40	6293.00	**361218.00**
	Tender Approved Rates	6293.00							
8	KSRRB 500-7 Providing and applying tack coat with bitumen emulsion using 80/100 grade bitumen (VG20) on the prepared black toped suface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries complete as per Specifications (P.No.160 & I.No.21.7)								
		Sqm							
	3rd Main Road Maruthi Nagara		1	105.00	5.60		588.00		
			1	100.00	5.60		560.00		
			1	240.00	5.50		1320.00		
							2468.00	14.00	**34552.00**
	Tender Approved Rates	14.00							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty		Amount
9	KSRRB M500- 15. Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II (30mm to 45mm), crushed aggregates of specified grading premixed with 6% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications MORTH Specification No.509 (P.No.164 Item No.21.22.6)								
		Cum							
	3rd Main Road Maruthi Nagara		1	105.00	5.60	0.040	23.52		
			1	100.00	5.60	0.040	22.40		
			1	240.00	5.50	0.040	52.80		
							98.72	7110.00	701899.00
	Tender Approved Rates	7110.00							
10	KSRRB M800-13 Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications MORTH specification No. 803, No. 1974 (P.No.181 & I.No.24.15)								
		Sqm							
			2.5	105	0.10		26.25		
			2.5	100	0.10		25.00		
			2.5	240	0.10		60.00		
							111.25	454.00	50508.00
	Tender Approved Rates	454.00							
11	Miscellaneous and unforeseen charges	LS							
	"MODIFIED T.S"						Grand Total Amount		1948505.00

(Rupees Ninteen lakhs forty eight thousand five hundred five Only)

TECHNICALLY SANCTIONED FOR Rs. 19.49 lac
Rupees Nineteen Lakhs 49 Thousand
from County Ward No.01 Fund
Under P.177 1—
2016-17

Assistant Engineer
Ward No.01

Registered as CE ( ) No. 9
Subject to conditions contained in
enclosed memo CE ( ) No. CE /91
Dt ..... Estimate A/ Sanctioned
No.
Dated ..... Rs. 19.49 lac

Executive Engineer
Yelahanka Division
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Chief Engineer
Yelahanka Zone
North Bangalore Mahanagara
Palike